

#### Apple //c External Disk:

The disk port is a D8-19 connector with all the signals that are available on drive two of an Apple //e disk controller card. This disk will be accessed as slot 6 drive 2.

Pinout //c	SIGNAL	Pinout Apple //e (controller card)
D8-19	NAME	20 pin header
1	GND	1
2	GND	3
3	GND	5
4	GND	7
5	-12V	9
6	+5V	11
7	+12V	13
8	+12V	15
9	EXTINT*	
10	WRPROT	20
11	PHASE0	2
12	PHASE1	4
13	PHASE2	6
14	PHASE3	8
15	WRREQ	10
16	nc	
17	ENBL2	14
18	RDDATA	16
19	WRDATA	18
	nc	17 (+12V)
	nc	19 (+12V)
	nc	12 (+5V)

The //c disk cannot be used from an Apple //e disk controller card with a simple ribbon cable (20-pin insulation displacement (i.d.) header to i.d. D8-19), since pins 9 and 16 of the D8-19 should not be connected and pin 19 should connect to pin 20 of the card.

The Apple //e drive can not be used on a //c unless the D8-19 pin 10 is connected to pin 20 of the disk and D8-19 pin 9 is not connected (disk pin 19 should also be left unconnected).

# 5.25 INCH FLOPPY DISK

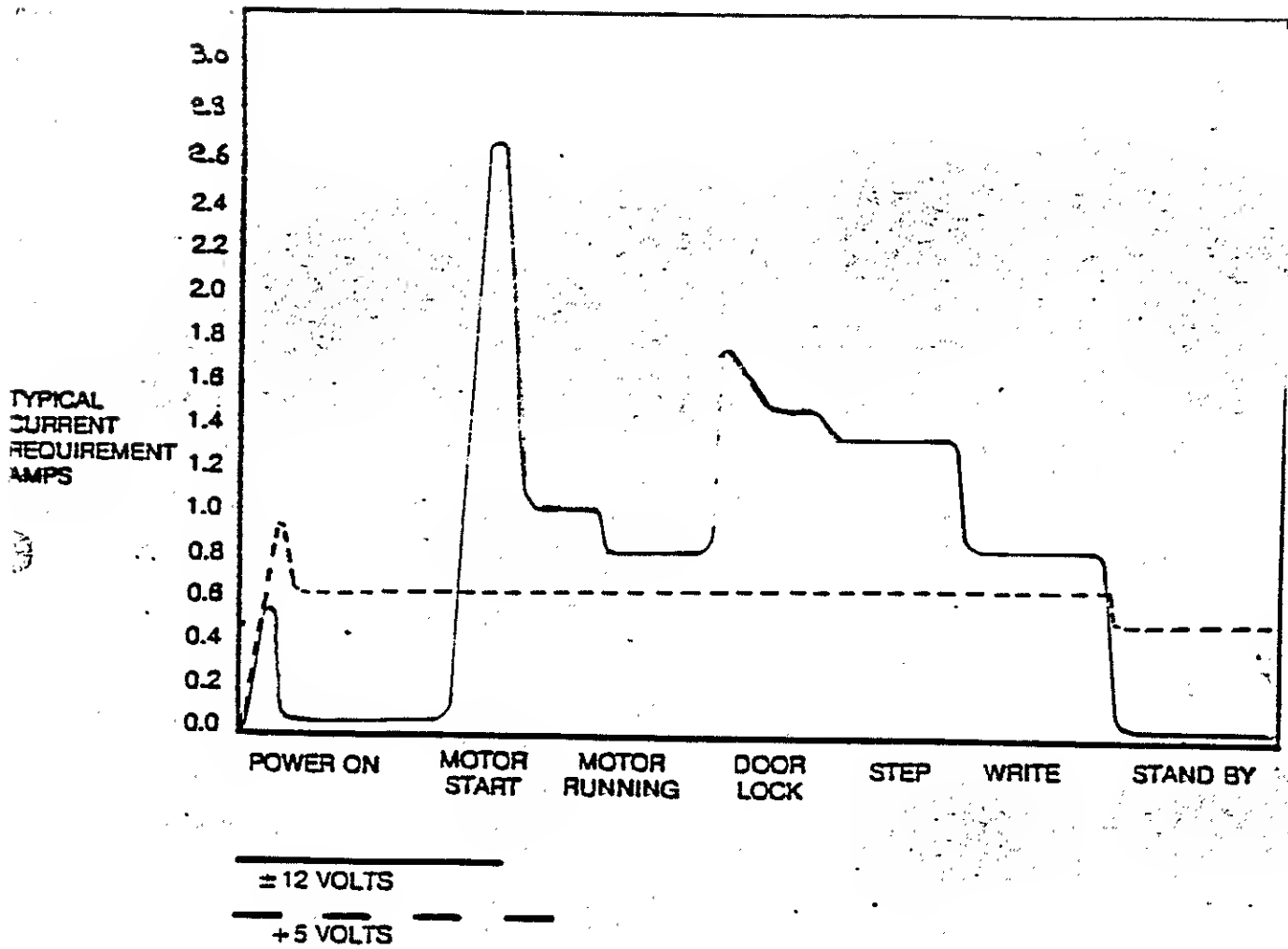
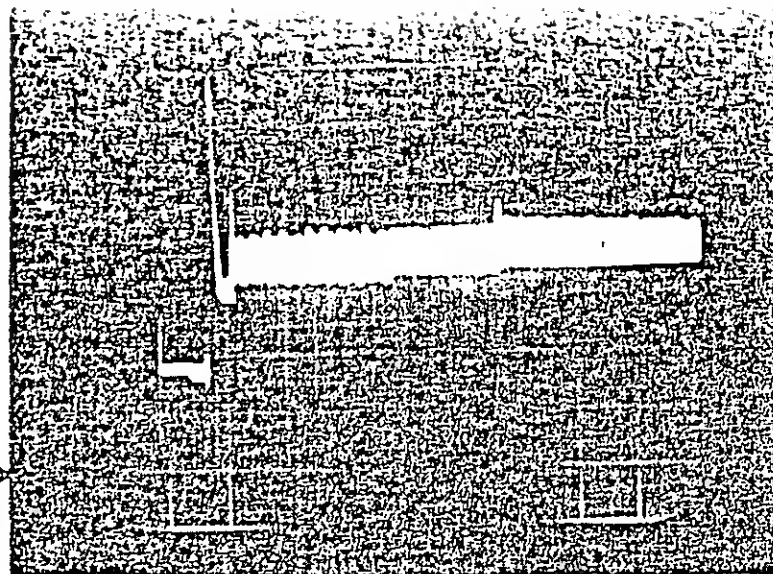


TABLE 1. DC POWER REQUIREMENTS

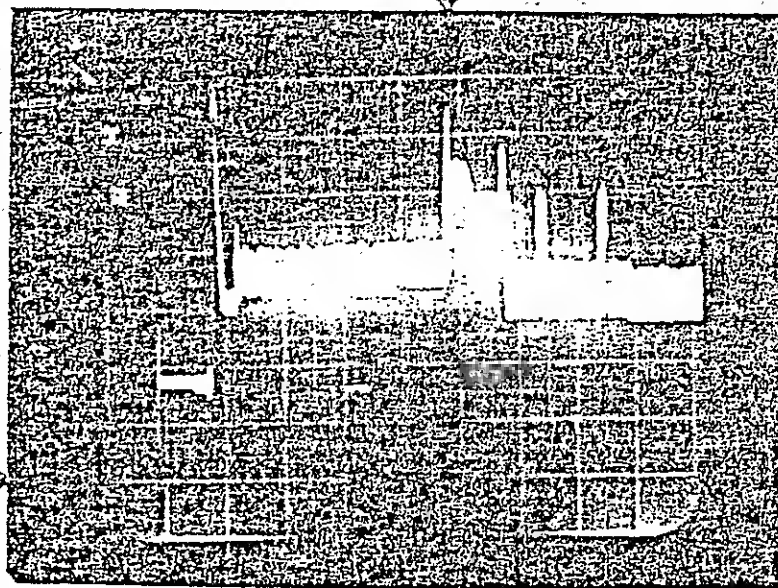
GRD →



POWER ON/MOTOR START .5A/.5S/DIV 12V

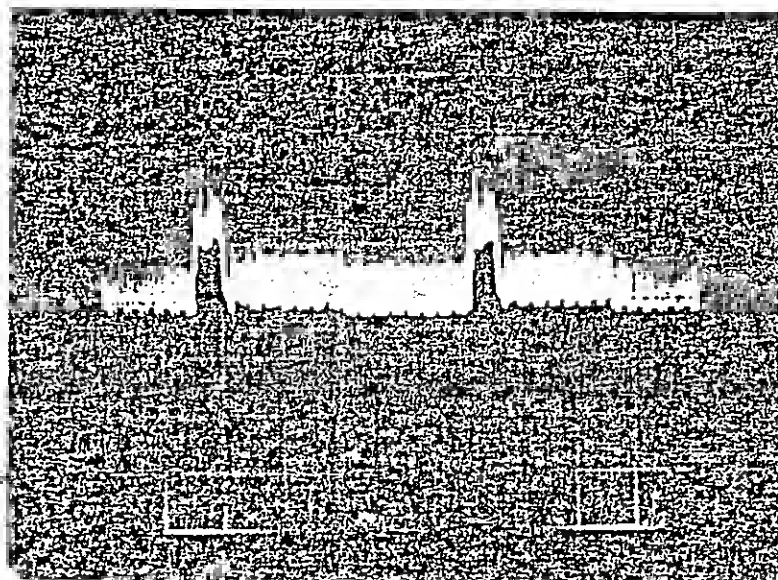


→



DOOR LOCK .5A/.5S/DIV 12V

→



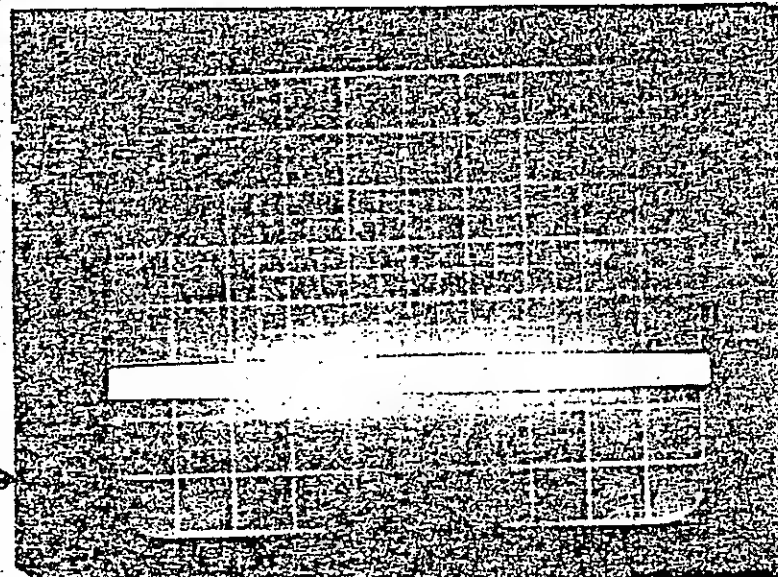
STEP .5A/.1S/DIV 12V

GAD →

WRITE

.5A/151 DIV

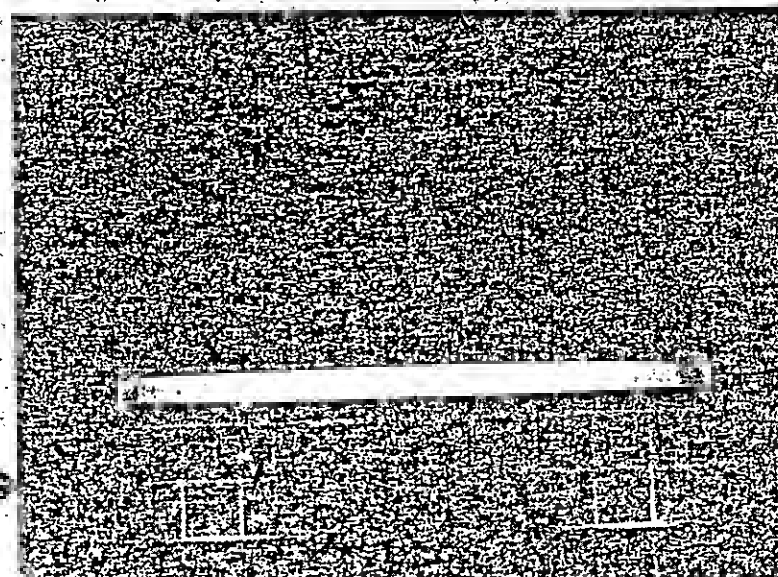
12V



STANDBY

.5A/DIV

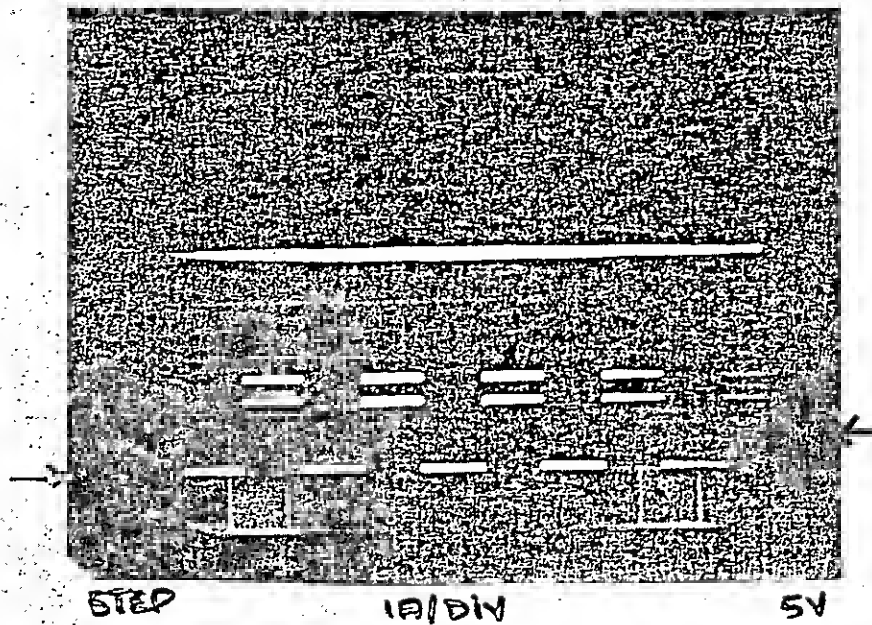
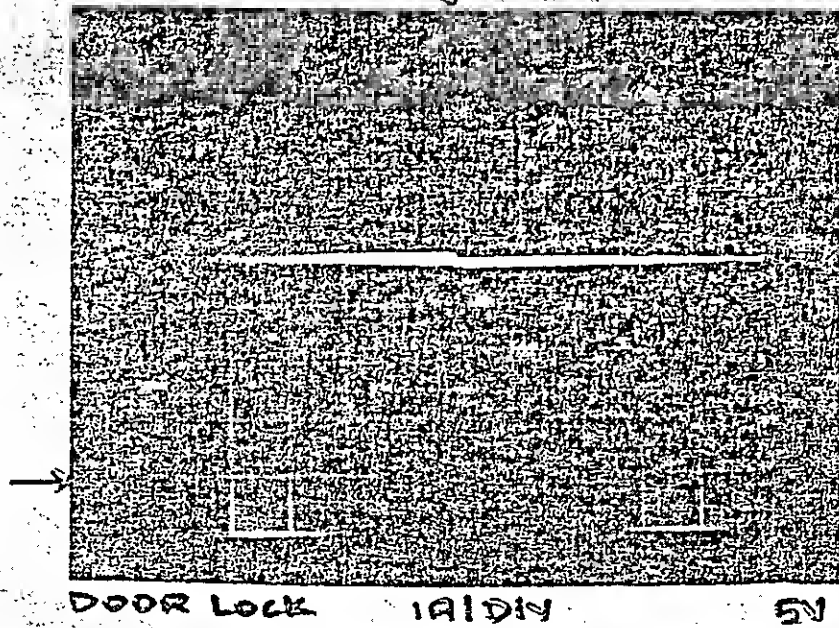
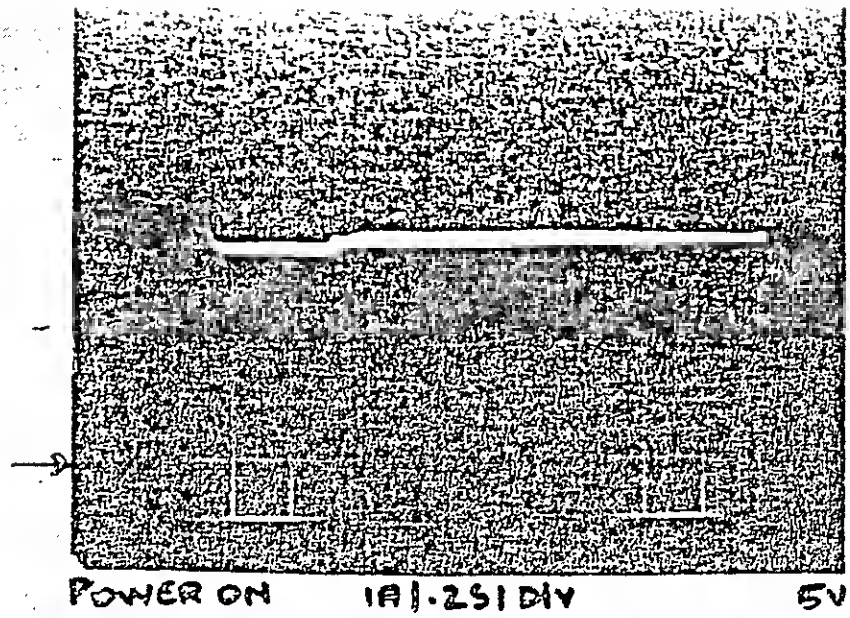
12V



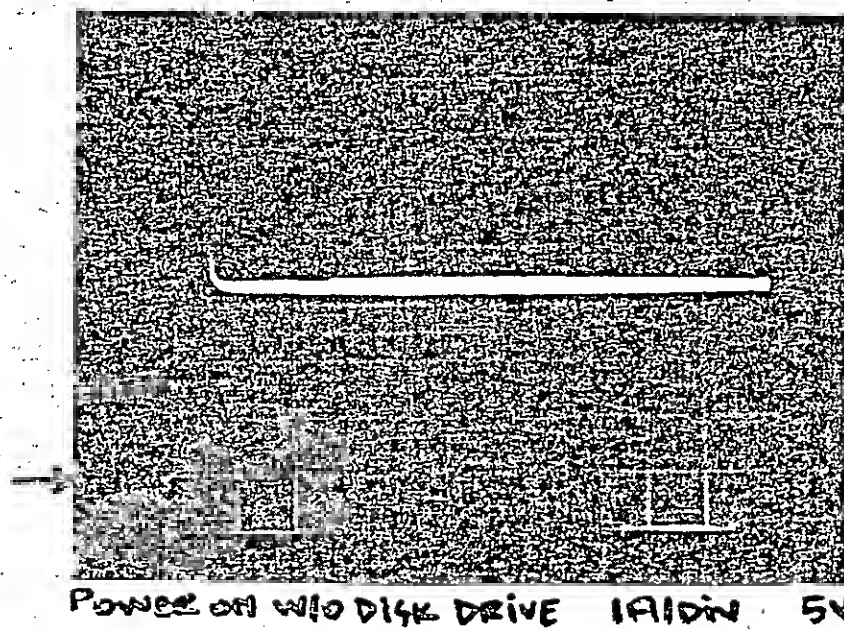
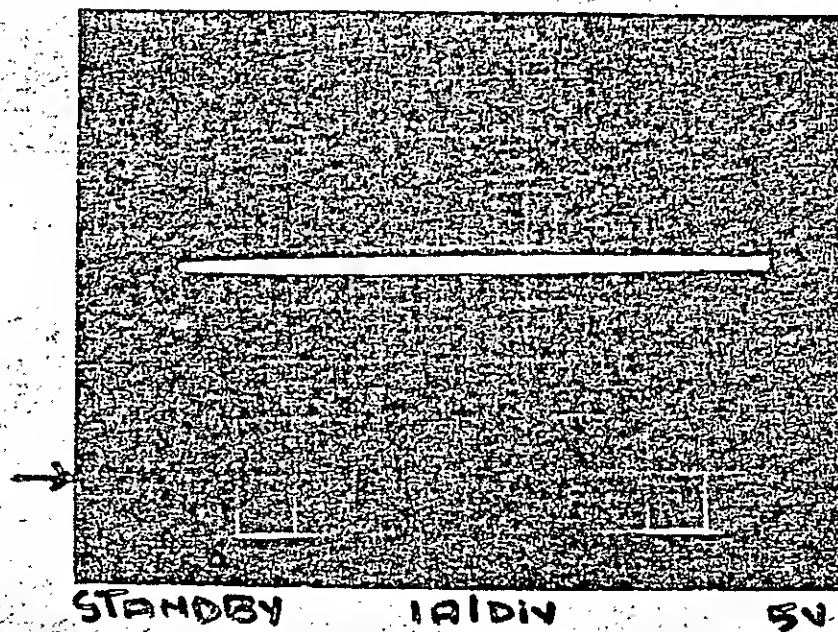
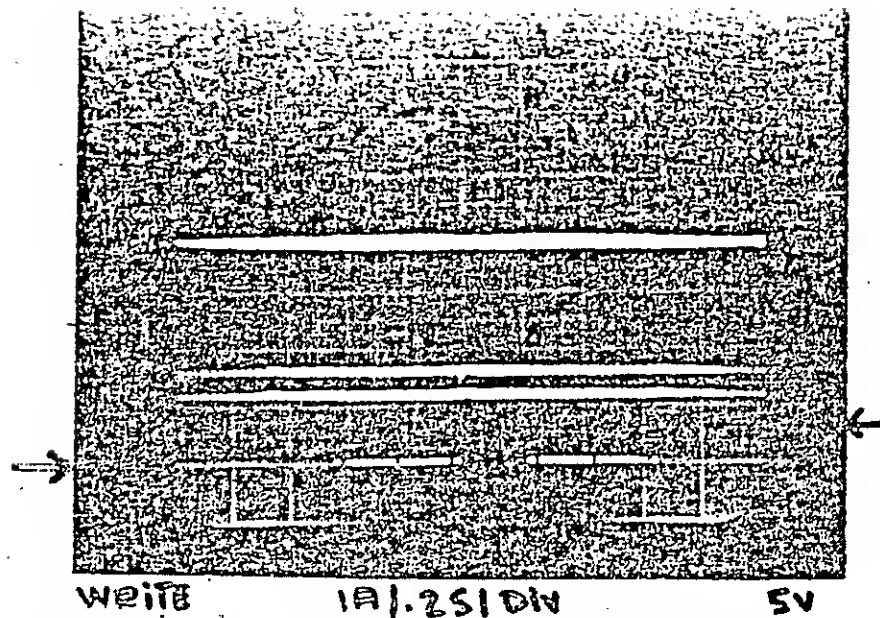
W/O DISK CONTROLLER

.5A/DIV

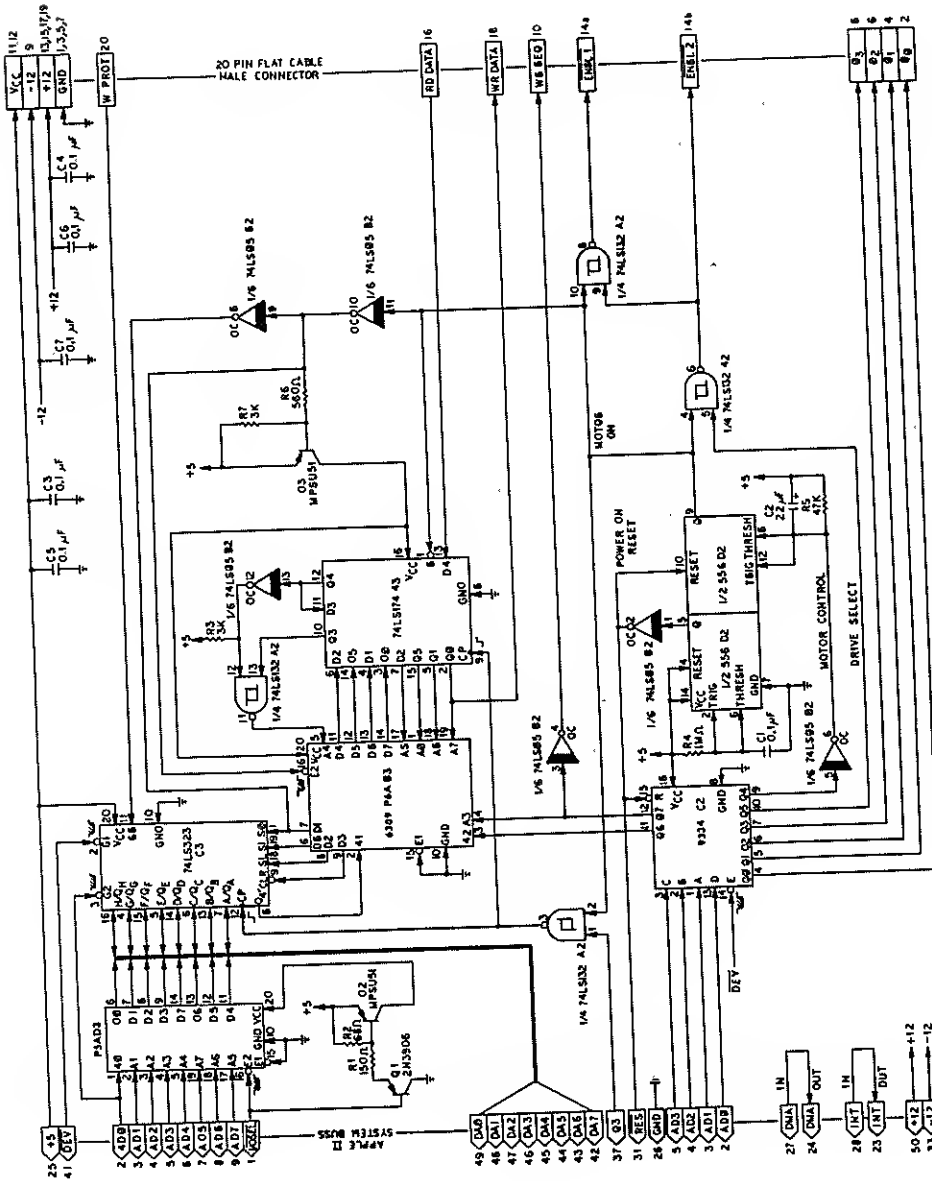
12V







# CIRCUIT SCHEMATIC: DISK II INTERFACE



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